Journal of Graph Theory

Contents of Volume 34, 2000

Number 1, May 2000

Embedding Arbitrary Finite Simple Graphs into Small Strongly Regular Graphs
R. Jajcay and D. Mesner 1

Total Domination in Graphs with Minimum Degree Three
O. Favaron, M. A. Henning, C. M. Mynhart, and J. Puech 9

Graphic Sequences that have a Realization with Large Clique Number
D. Mubayi 20

Closure and Stable Hamiltonian Properties in Claw-Free Graphs
S. Brandt, O. Favaron, and Z. Ryjáček 30

Edge Disjoint Hamilton Cycles in Sparse Random Graphs of Minimum Degree at Least *k*
B. Bollibás, C. Cooper, T. I. Fenner, and A. M. Frieze 42

On Cliques and Bicliques
M. A. Henning 60

Geodetic Rays and Fibers in Periodic Graphs
P. Niemeyer and M. E. Watkins 67

Half-Transitive Graphs of Valency 4 with Prescribed Attachment Numbers
D. Marušič and A. O. Waller 89

Knot Graphs
S. D. Noble and D. J. A. Welsh 100

Information for Contributors I

Number 2, June 2000

Partitioning Infinite Trees
P. Horak and K. Heinrich 113

Non-Cayley-Isomorphic Self-Complementary Circulant Graphs
V. Liskovets and R. Pöschel **128**

Characterizations of Trees with Equal Domination Parameters
J. H. Hattingh and M. A. Henning **142**

Digraphs Containing Every Possible Pair of Dicycles
H. Wang **154**

Partitions of a Graph into Paths with Prescribed Endvertices and Lengths
H. Enomoto and K. Ota **163**

Light Paths in 4-Connected Graphs in the Plane and Other Surfaces
B. Mohar **170**

Multiple Vertex Coverings by Specified Induced Subgraphs
Z. Füredi, D. Mubayi, and D. B. West **180**

Information for Contributors **I**

Number 3, July 2000

Cyclability of 3-Connected Graphs
A. Harkat-Benhamdine, H. Li, and F. Tian **191**

Triangle-Free Graphs that are Signable Without Even Holes
M. Conforti, G. Cornuéjols, A. Kapoor, and K. Vušković **204**

Girth, Minimum Degree, and Circumference
M. N. Ellingham and D. K. Menser **221**

The Color Space of a Graph
T. R. Jensen and C. Thomassen **234**

Information for Contributors **I**

Number 4, August 2000

A Harnack Inequality for Dirichlet Eigenvalues
F. Chung and S.–T. Yau **247**

CO-irredundant Ramsey Numbers for Graphs
E. J. Cockayne, G. MacGillivray, and J. Simmons **258**

On the Loebl–Komlós–Sós Conjecture
C. Bazgan, H. Li, and M. Woźniak **269**

A Characterization of (γ, i)-Trees
E. J. Cockayne, O. Favaron, C. M. Mynhardt, and J. Puech **277**

Author Index **295**

Volume Contents **I**

Information for Contributors **VII**